

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v102)**

1. Expand the following expression into standard form.

$$(7x + 8)(7x - 8)$$

2. Solve the equation with factoring by grouping.

$$10x^2 + 15x + 8x + 12 = 0$$

3. Expand the following expression into standard form.

$$(9x - 2)^2$$

4. Solve the equation.

$$7x^2 - 34x - 19 = 2x^2 + 3x + 5$$

5. Solve the equation.

$$(3x - 5)(4x - 7) = 0$$

6. Factor the expression.

$$16x^2 - 9$$

7. Factor the expression.

$$x^2 + x - 20$$

8. Expand the following expression into standard form.

$$(8x - 7)(2x + 5)$$